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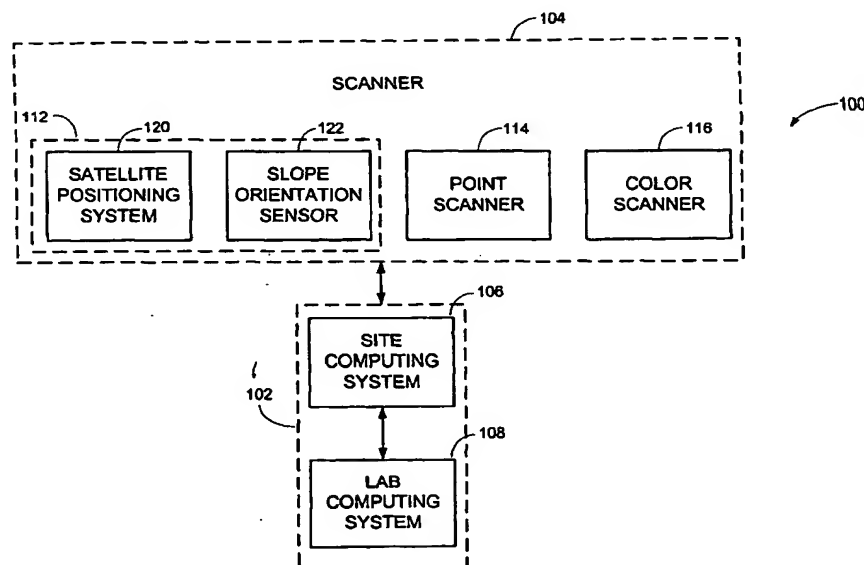
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(54) Title: SYSTEM FOR GENERATING THREE-DIMENSIONAL ELECTRONIC MODELS OF OBJECTS



(57) Abstract: An image generation system (100) for developing three-dimensional electronic models of objects including a scanner (104) and a computing system (102). The scanner may be selectively positioned adjacent to an object in different geographic positions. The scanner may provide scanner position information and image data representative of the object to the computing system. The computing system may generate a three-dimensional electronic model of the object from the image data and the scanner position information. The three-dimensional electronic model may be stored and utilized in other applications, such as an electronic navigational map.



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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/20225

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06K, 9/00; G06T 15/00; G08G 1/123

US CL : 382/154; 345/419; 340/995.17; 701/213

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 382/154, 103, 104, 106; 345/419, 418, 420; 340/995.17, 995.1, 995.14; 701/213, 207, 200

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST (navigational map, three dimensional, GPS, range, depth, didtance)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,988,862 A (KACTRA et al) 23 November 1999 (26.11.1999), column 3, line 25 to column 5, line 55; column 10, lines 35-44; column 11, lines 49-56; column 15, line 40 to column 23, line 65; Figs 1, 1A, and 2.	1, 4-8, 18, 21-34, 36-39, 41-59
Y		2-3, 9-17, 19-20, 35, 40
Y	US 5,566,073 A (MARGOLIN) 15 OCTOBER 1996 (15.10.1996), the whole document; especially abstract, column 6, lines 7-65, Figs. 1, 3, column 7, line 40 to column 8, line 3.	2-3, 9-17, 19-20, 35, 40

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"X"

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